






# Work Order ID 53978

November 24, 2009 2:37:12 PM




Page 1

Item ID:	D4011-1	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	Clamp, Short					
Start Date:	11/25/2009	Start Qty:	80 <i>MF</i>	Cust Item ID:		
Required Date:	12/21/2009	Req'd Qty:	80.00 <i>09-11-24</i>	Customer:		
Reference:						

Approvals:	Process Plan:	<i>MF</i>	Date:	<i>09-11-24</i>	Tooling:		Date:		Run	Start	
	QC:		Date:		SPC (Y/N):		Date:			Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D4011	B

100		0.00							
	Purchasing								
Purchasing	Memo	0.00							
	Issue P/O: <i>10842</i>								
	Manufacture as per Dwg D4011								
	Supplier: G.F.I.								
	Material release note is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
	Packaging								
Packaging	Memo	0.00							
120	QC6- Inspect dimensions to drawing	0.00							
	QC								
Quality Control	Memo	0.00							

*(80) MC 09-11-25-24*

*Pc 9/12/23 (64)*

*80*  
*QSP019*  
*12-25*  
*Control 81*

**Work Order ID 53978**

November 24, 2009 2:37:12 PM

Page 2

Item ID: D4011-1

Accept

Setup Start

Revision ID:

Stop

Item Name: Clamp, Short

Start Date: 11/25/2009 Start Qty: 60.00

Cust Item ID:

Required Date: 12/21/2009 Req'd Qty: 60.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

Identify as per dwg & Stock Location: 458

0.00



Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/01/04 50

10/01/06

BA 10-1-04

## Picklist Print

November 24, 2009 2:37:12 PM

Page 1

**Work Order ID:** 53978



**Parent Item:** D4011-1



**Parent Item Name:** Clamp, Short

**Comments:**

IPP RevA: New issue 09.10.26 DD verified by:JLM

dwg chg Prelim-B 09.11.12 DD verified by:EC

dwg 09.11.18 DD verified by:JLM

IPP RevB:






IPP RevC: revC as per

**Start Date:** 11/25/2009

**Required Date:** 12/21/2009

**Start Qty: 60.00**

**Required Qty: 60.00**

Component Item ID/	Replacement	Mfg/ Purchased	Bin No	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
D4011-1P						110	Each	0.0000	60.0000			
												
Clamp, Short												
												
												
												
												

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

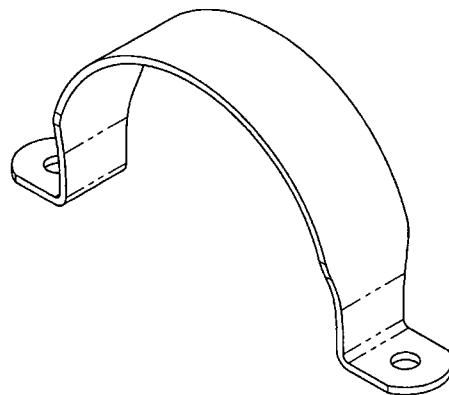
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

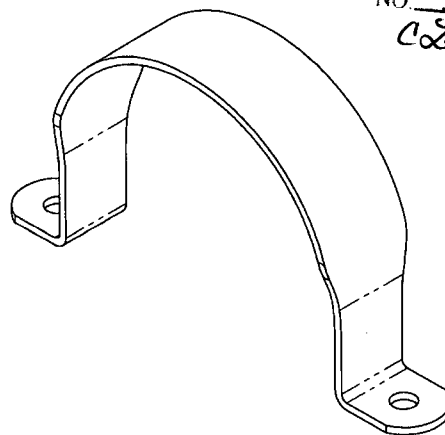
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

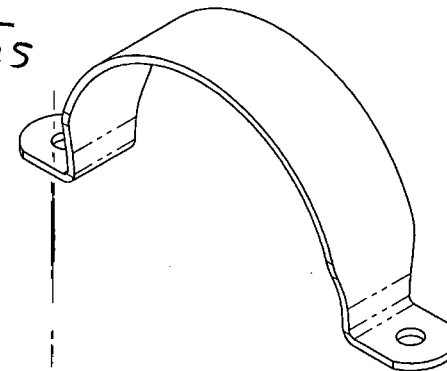
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 WITHOUT NOTICE  
 WORK ORDER  
 NO. 53978  
026911125



**D4011-1 CLAMP, SHORT**



**D4011-3 CLAMP, LONG**



**D4011-5 CLAMP, SHORT (OEM)**

**RELEASED**  
 2009-11-24  
*MP*

**NOTES:**

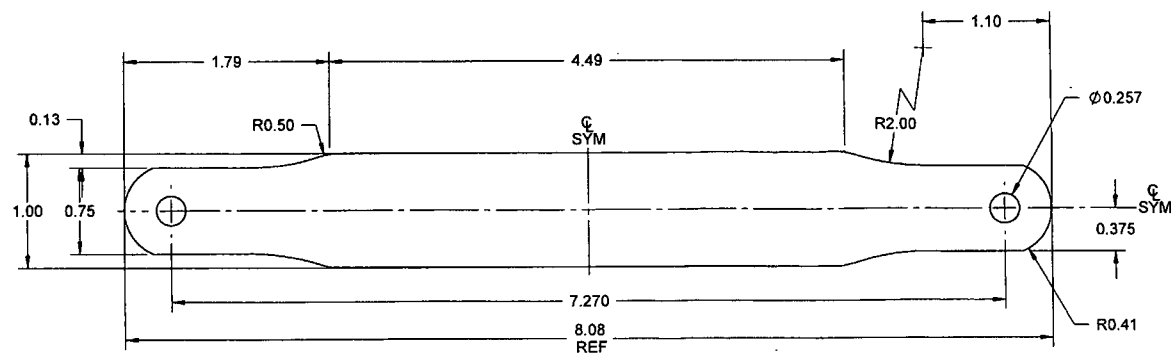
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 14 GAUGE (0.078 THICK)  
 PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240  
 REF. DART SPEC. M304S14GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4011-X" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.02 lbs EACH

B	SHORTEN HEIGHT OF -1/3 CLAMPS BY 0.125; ADDED .5. REASON: PROVIDE MORE CLEARANCE UPON INSTALLATION ON OEM SKIDTUBES		MB	09.11.11
A	NEW ISSUE		MB	09.10.21
REV.		DESCRIPTION	BY	DATE
DESIGN	<i>1</i>			
DRAWN	<i>1</i>			
CHECKED	<i>1</i>			
MFG. APPR.	<i>1</i>			
APPROVED	<i>1</i>			
DE APPR.	<i>1</i>			
DATE	09.11.11			

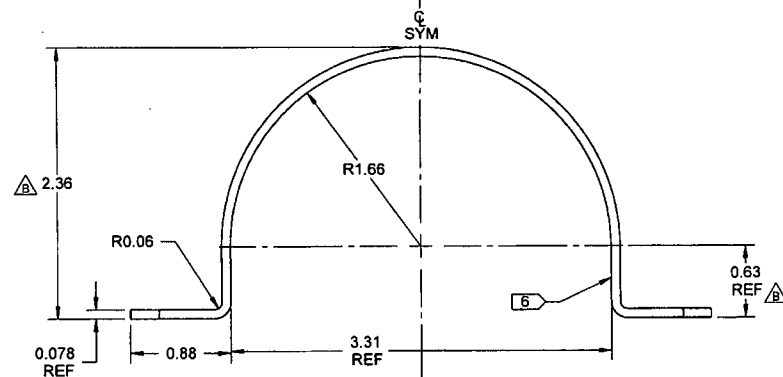
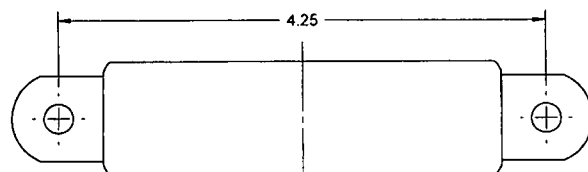
<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. <b>D4011</b>	REV. B SHEET 1 OF 4
TITLE <b>CLAMP</b>	SCALE NTS

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8 7 6 5 4 3 2 1



**D4011-1F CLAMP, SHORT FLAT PATTERN**



**D4011-1 CLAMP, SHORT**  
(MAKE FROM D4011-1F)

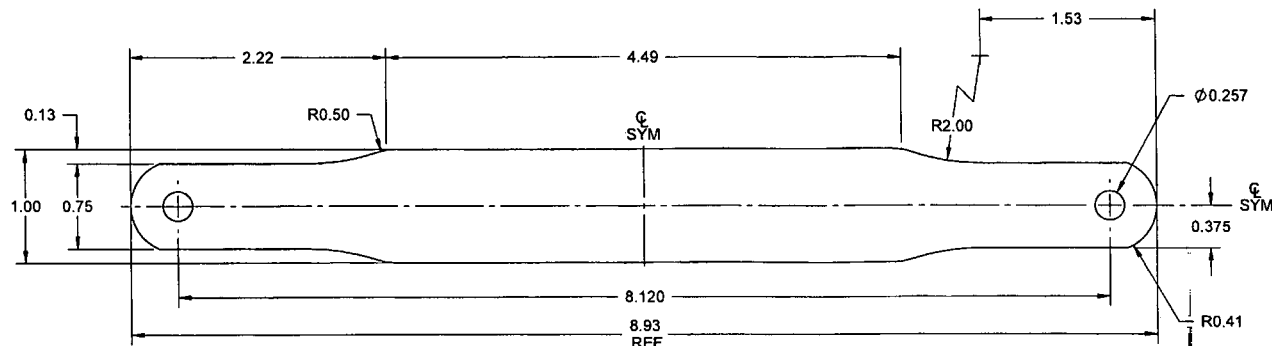
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NO. 53978

**RELEASED**  
2009-11-24  
*mp*

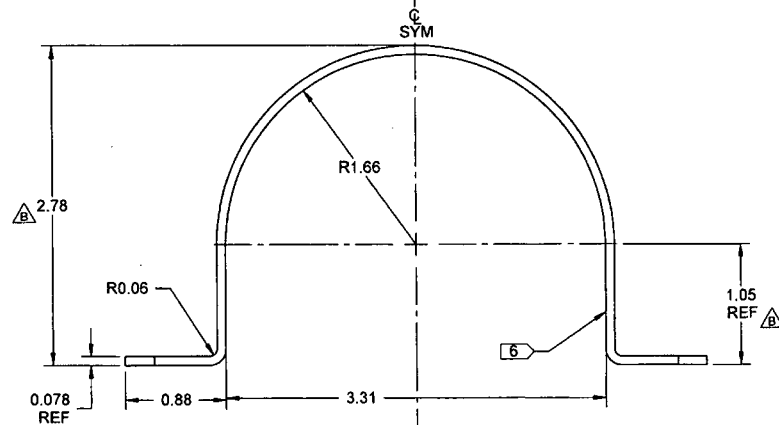
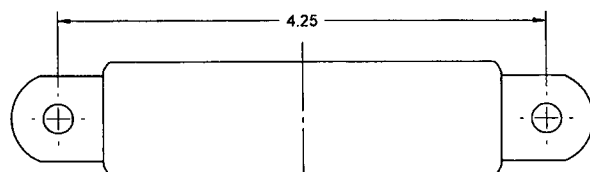
DESIGN	<i>AL</i>	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>AL</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>ALS</i>	DRAWING NO. <b>D4011</b>	REV. B
MFG. APPR.	<i>AS</i>		SHEET 2 OF 4
APPROVED	<i>AS</i>	TITLE <b>CLAMP</b>	SCALE
DE APPR.	<i>AS</i>		NTS
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8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1



**D4011-3F CLAMP FLAT PATTERN, LONG**



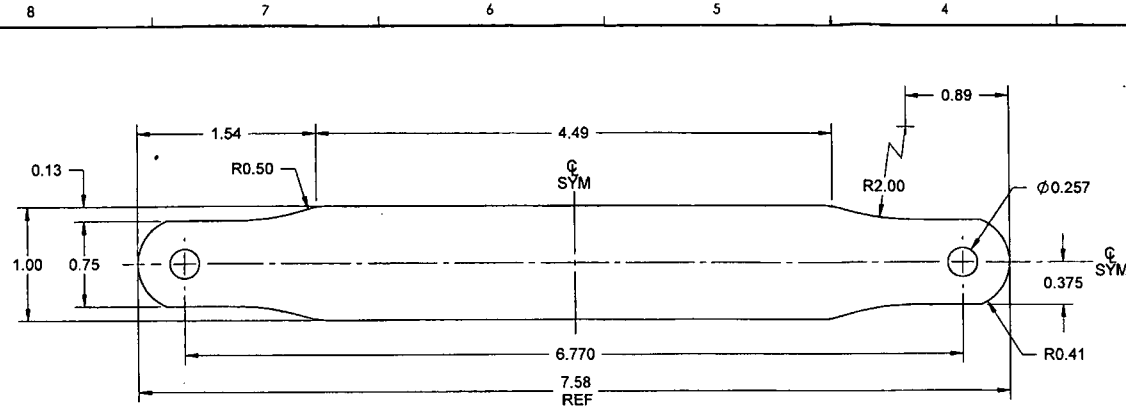
**D4011-3 CLAMP, LONG**  
(MAKE FROM D4011-3F)

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WORK ORDER  
NO. 53978

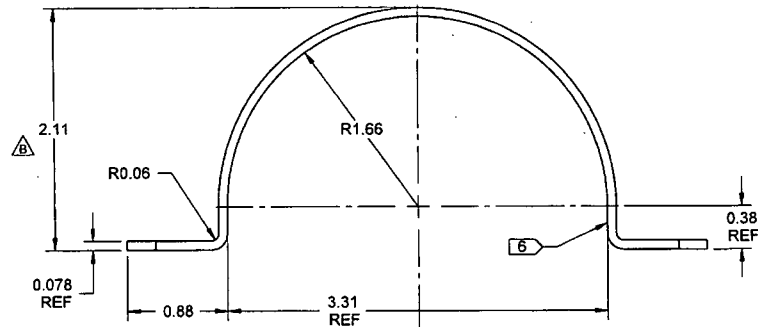
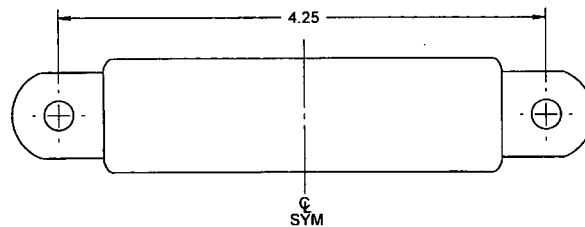
**RELEASED**  
2009-11-24  
*MP*

DESIGN	<i>1</i>	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>1</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>1.5</i>	DRAWING NO.	REV. B
MFG APPR.	<i>1.5</i>	D4011	SHEET 3 OF 4
APPROVED	<i>1.5</i>	TITLE	SCALE
DE APPR.	<i>1.5</i>	CLAMP	NTS
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8 7 6 5 4 3 2 1



**D4011-5F CLAMP, SHORT (OEM) FLAT PATTERN**



**D4011-5 CLAMP, SHORT (OEM)**  
(MAKE FROM D4011-5F)

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WITHOUT NOTICE  
WORK ORDER  
NO. 53978

**RELEASED**  
2009-11-24  
*MP*

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>AS</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>N</i>	D4011	SHEET 4 OF 4
APPROVED	<i>AL</i>	TITLE	SCALE
DE APPR.	<i>SL</i>	CLAMP	NTS
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180 AVENUE LABROSSE  
POINTE-CLAIRE, QUÉ., CANADA H9R 1A1  
TÉL.: (514) 630-4877 - FAX: (514) 630-4849

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.

ENVOI À / SOLD TO

DART AEROSPACE LTD  
1270 ABERDEEN ST.  
HAWKESBURY, ON, K6A 1K7




# BON DE LIVRAISON - SHIPPING MEMO

DATE DE LIVRAISON SHIPPING DATE	N° BON DE LIVRAISON SHIPPING MEMO NO.
2009/12/21	0430022

EXPÉDIÉ À / SHIPPED TO

DART AEROSPACE LTD  
1270 ABERDEEN ST.  
HAWKESBURY, ON, K6A 1K7

CODE DE CLIENT CUSTOMER CODE		N° DE CONTRAT JOB NO.	N° COMMANDE PO NO.	VIA SHIP VIA
DART GFI-0299		J0207664	PO10842	
QUANTITÉ QUANTITY	VOTRE N° DE PIÈCE YOUR PART NO.		DESCRIPTION	
80	D4011-1P		CLAMP SHORT CERTIFICATE OF CONFORMANCE REQ	
MFG. JOB # <u>J0207664-01</u> QTY <u>80</u>				
				

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION  
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

RECU PAR / RECEIVED BY

# CERTIFICATE OF COMPLIANCE CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas&Betts**

180 LABROSSE AVENUE  
POINTE CLAIRE, QC  
H9R 1A1

**DART AEROSPACE LTD**  
1270 ABERDEEN ST.  
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO. <u>1</u>		OUR JOB NO <u>J0207664</u>		SHIPPING MEMO <u>0430022</u>	
ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME
<u>80 PCS</u>	<u>PO10842</u>	<u>D4011-1P</u>	<u>B</u>	<u>CLAMP SHORT</u>	<u>B</u>
MATERIAL		SUPPLIED BY		MAT. REL. NO.	
<u>AMS 5513 304 ANN</u>		<u>TW METALS / ALLEGHENY LUDLUM</u>		<u>827277</u>	

PROCESS	PROCESSOR	RELEASE NOTE #
1 <b>FIRST ARTICLE INSPECTION REPORT ON FILE</b>	GFI	CONFORMS
2 REF. GFI MANUFACTURING JOB NUMBER J0207664-01 (80 PCS)		
3		
4		
5		
6		
7		
8		
9		

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 21 DECEMBER 2009

G.F.I. Q.C. REP.

*Patricia Hord*  


**DP12-001 REV 0 Bombardier Certificate of Compliance  
TW Metals District Procedure**

Revision: 0

Revision Date: 04-03-00

Superseding: Initial

Page: 1 of 1

**CERTIFICATE OF COMPLIANCE**

**FRAUD AND FALSIFICATION STATEMENT**

The recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under federal statutes including federal law. Title 18 chapter 47.

**CERTIFICATE OF COMPLIANCE**

This certificate of compliance certifies that the material supplied on the purchase order number below complies in all respects with the material description and procurement specifications.

**MERCURY FREE STATEMENT**

We certify that mercury, radium or alpha bearing instruments and / or equipment which might cause contamination have not been used in the manufacture, fabrication, assembly or testing of any material supplied by TW Metals Inc. Switches, glass thermometers, standard cell and other items containing the above elements may be used, but they will be located so as not to constitute a contamination hazard.

CUSTOMER NAME:

GFI

PURCHASE ORDER No.

0075171

ITEM No.

0001

SHIPPER INVOICE No.

12085009

MATERIAL:

304 ANN

SPECIFICATION:

AMS-5513

MANUFACTURING MILL:

ATI Allegheny Ludlum

SIZE:

080

HEAT / LOT No.

827277

PART No.

TS080481204A

QUANTITY:

132 lbs.

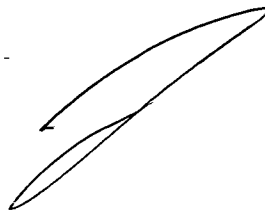
TEST DEPARTMENT CLERK

Amy Davis

AUTHORITY

Joe Schab

Director of Quality Assurance



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**UNITED PERFORMANCE METALS**  
 This is to certify that in accordance with the records in  
 our files the material shipped on your purchase order  
 conforms to the following:  
 9475 Symmes Road Hamilton, OH 45015

Size: 43 X 120  
P.O. 012012061  
Part#: SFSBO  
Sales R: 01124187  
Quantity: 1

Description: 304L ANN ,077-003 ATL,080  
 Created-by: GFI, Incorporated  
 Entered: 02/24/2009  
 H002 827277

NOTICE OF SHIPMENTS/  
PACKING LIST

**CERTIFICATE OF TEST**

ALL INFORMATION CONTAINED

CUST. ORD. NO. & DATE			CUST. CODE		ACCEPTING MAIL		SHIPPER NO.		PRODUCT CODE		NATL ORDER NUMBER		DATE SHIPPED	
01013080			08/08/08 110977		NEW CASTLE, IN.		400569		13020102060000		30-088-108		09/22/08	
FORMS DISTRIBUTION			REPEAT ORDER		DO. PER. RATE. CTRY.		QUOTE CONTRACT		MATERIAL		SHIPPING LOCATION		INVOICE	
SOLD TO			82037-9126						1124 NEW CASTLE		IN		070843	
UNITED PERFORMANCE METALS			PRIME SEC.		DSO DSO		UNITED PERFORMANCE METALS		SHIP TO					
3475 SYMMES ROAD			584				3475 SYMMES ROAD							
HAMILTON OH 45015							HAMILTON OH 45015							

### GRADE AND SPECIFICATIONS

ALLEGHENY STAINLESS STEEL TYPE 304-L SHEET C R COILS ANNEALED 28 FIN 3 EDGE (FMI 304L/304/302 ISSUE 7) (AMS 2248B) (AMS 5511H) (AMS 5513H) (AMS 5516P) (ASTM-A-262-02A PRA E/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/31/07) (ASTM-A-240-08) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (05/14/08 EXCEPT FMI 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (F-14, F-17, F-22, F-23, F-MASTER) (PWA 300 REV BH) (CONTROLLED TO PWA LCS REQUIREMENTS)

CARRIER - CLAY TRANSPORT, INC.

ITEM	PCS	DIMENSIONS	W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THSD	TAG #/	CD	SKID #
001B	1	48.	/.080/1570.	827277	08198N503	7745141	20475	60	20415		172762		
C	CUST	IDENTITY	00718										
	1	SKID					20435	60	20415				

TYPE HEAT/TEST	C	MN	P	S	SI	CR	NI	MO	CU	N
HEAT 827277	.018	1.75	.035	.0004	.39	18.24	8.11	.44	.38	.07
CHBCK 7745141	.014	1.75	.033	.0004	.39	18.27	8.07	.44	.38	.07

ITEM TEST NO	YIELD PSI *	TENSILE & ELONG PSI IN 2" & R/A	HARDNESS	CORROSION GRAIN BEND A 262 PR E SIZE
001B 7745141	T 48000.	96000. 64.	85.HRBW	T PASS PASS 8.
	* Y.S. BY 0.2% OFFSET METHOD		85.HRBW	
	MELT	P&W R-25		
	SOURCE	TRAN BEND		
	1.	2.		

ITEM TEST NO  
001B 7745141

REVIEW

METALLOGRAPHIC MAGNIFICATION: 100X    ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

PAGE 01 - CONTINUED ON PAGE 02

REVIEWED BY O.C.

Date 9/24/87 By TC

09/22/08 09:51:53

**CONSIGNEE:** Please Note-This consignment was turned over to carrier in first class condition, being carefully loaded, at which time our responsibility for loss or damage in shipment ceases. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by the station agent at which delivery is made.

Warning: Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy, phone 724-226-6577. CAUTION: Processing shell midges, larvae, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

11/15/2011

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des schéas. Pour obtenir des renseignements supplémentaires, veuillez téléphoner au numéro suivant: 724-225-6377. Attention: les instruments entraînent la production de vapeurs, poussières, ou solutions polluantes, être causes de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Alachua County's Order Acknowledgement.

Dep. M. Karsky. *Dep. M.*  
Organ. Committee Quality Assurance

UNITED PERFORMANCE METALS  
This is to certify that it accords with the standards in  
our files the material shipped on your purchase order  
conforms to the following:  
3475 Symmes Road Hamilton, OH 45015

Size: 48 X 120  
P.O.: 012012601  
Part: SP580  
Sales R: 0124187  
Quantity: 1

Description: 304L ANN 077-003 ATI .060  
Customer: GRI Incorporated  
Shipped: 02/24/2009  
Heat: 827277

# NOTICE OF SHIPMENT/ PACKING LIST



# CERTIFICATE OF TEST

AL 6168-3 407

CUST. ORD. NO. & DATE	CUST. CODE	ACCEPTING MFG.	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
01013080 08/08/08 110977	NEW CASTLE, IN.	400569	13020102060000	30-088-108	09/22/08	
SOLD TO 1 104 104 UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015		REPEAT ORDER 82037-9 PRIME SEC. DSO 584	GOVT CONTRACT 1124 NEW CASTLE SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015	MATERIAL 1124 NEW CASTLE IN 070843		INVOICE 070843

## GRADE AND SPECIFICATIONS

ALLEGHENY STAINLESS STEEL TYPE 304-L SHEET C R COILS ANNEALED 2B FIN 3 EDGE (FMI 304L/304/302 ISSUE 7) (AMS 2248E) (AMS 5511H) (AMS 5513H) (AMS 5516P) (ASTM-A-262-02A PRA B/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/31/07) (ASTM-A-240-08) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (05/14/08 EXCEPT FMI 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (F-14, F-17, F-22, F-23, P-MASTER) (PWA 300 REV BH) (CONTROLLED TO PWA LCS REQUIREMENTS)

CARRIER - CLAY TRANSPORT, INC.

AUSTENITIC STAINLESS STEELS ARE SOLUTION ANNEALED AT 1900 DEGREES FAHRENHEIT MINIMUM (1038 C) AND RAPIDLY COOLED TO DEVELOP THE SPECIFIED PROPERTIES. EVIDENCE OF CONFORMANCE IS PROVIDED BY THE ABILITY OF THE MATERIAL TO MEET THESE SPECIFIED MECHANICAL AND CORROSION REQUIREMENTS

ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS. TO THE BEST OF ALLEGHENY LUDLUMS KNOWLEDGE, UNDERSTANDING, AND BELIEF, THIS MATERIAL WAS NOT CONTAMINATED BY MERCURY WHILE IT WAS BEING PRODUCED IN OUR FACILITIES.

NO WELDS/WELD REPAIRS PERFORMED.

THE NUMERIC CODES SHOWN UNDER MELT SOURCE CAN BE INTERPRETED AS FOLLOWS:

1. - MATERIAL MELTED AND ROLLED IN THE UNITED STATES AND COMPLIES WITH DEARS EDITION 1998, SECTION 252.225-7014
2. - FOREIGN MELT AND ROLLED IN THE UNITED STATES

PAGE 02 - CONTINUED ON PAGE 03

09/22/08 09:51:53

CONSUMER: Please Note- This document was turned over to carrier in that case condition, being correctly loaded at which time our responsibility for loss or damage in shipment ceases. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a bill description made by transportation agent or receipt before signing.

Master Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-228-8377. CAUTION: Processing this metal fumes, dust, or solution may cause lung disease. See Material Safety Data Sheet for further information.

## WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des renseignements supplémentaires veuillez téléphoner au numéro suivant 724-228-8377. Attention: les traitements atmosphériques, la production de vapeurs, poussières, ou solutions peuvent être causes de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

This document is a true copy of data on file. The material and test results conform to the sales contract and specifications as set forth in Allegheny Ludlum's Order Acknowledgment.

Don M. Krasinski  
Director, Corporate Quality Assurance

UNITED PERFORMANCE METALS  
This is to certify that in accordance with the records in  
our files the material shipped on your purchase order  
conforms to the following:  
3475 Symmes Road Hamilton, OH 45015

Size: 48 X 120  
P.O. #: 012012081  
Part#: SF580  
Sales #: 01124187  
Quantity: 1

Description: 904L, ANN. 077-100 ATI, 080  
Customer: GFI, Incorporated  
Shipped: 02/24/2009  
Hunt: 862727

# NOTICE OF SHIPMENT/ PACKING LIST



# CERTIFICATE OF TEST

AL 6166-3 407

CUST. ORG. NO. & DATE	CUST. CODE	ACCEPTING MFG.	SHIPPER NO.	PRODUCT CODE	CALL ORDER NUMBER	DATE SHIPPED
01013080	08/08/08 110977	NEW CASTLE, IN.	400569	13020102060000	30-088-108	09/22/08
SOLD TO → 1	82037-9	REPEAT ORDER	GOVT CONTRACT	MATL	SHIPPING LOCATION	INVOICE
1	PRIME SEC.	DO RATE		1124 NEW CASTLE		070843
SOLD TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015			SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015			

## GRADE AND SPECIFICATIONS

ALLEGHENY STAINLESS STEEL TYPR 304-L SHEET C R COILS ANNEALED 2B FIN 3 EDGE (FMI 304L/304/302 ISSUE 7) (AMS 2248E) (AMS 5511H) (AMS 5513H) (AMS 5516P) (ASTM-A-262-02A PRA E/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/31/07) (ASTM-A-240-08) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (05/14/08 EXCEPT FMI 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (P-14, P-17, P-22, P-23, P-MASTER) (PWA 300 REV BH) (CONTROLLED TO PWA LCS REQUIREMENTS)

## CARRIER - CLAY TRANSPORT, INC.

THIS CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF THE COMPANY. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ALC QUALITY MANUAL REVISION 17 DATED 05/12/2008. ALC HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001. DIN EN 10204:2005 - 3.1. ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO AD-MERK BLATT WO/TRD100 AND THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC. TESTING WAS PERFORMED AT ALC NADCAP AND ISO/IEC 17025 APPROVED LABORATORIES LOCATED AT NATRONA HEIGHTS, BRACKENRIDGE, LATROBE, AND MIDLAND, PA FACILITIES OR A NADCAP AND ISO/IEC 17025 ACCREDITED LABORATORY.

ALC HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001:2000, AS9100, AD 2000-MERKBLATT WO, AND EU PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, NADCAP MATERIALS TESTING, ISO/IEC 17025, GEAE S400. REFER TO WWW.ALLEGHENYLUDLUM.COM TO ACCESS THE CURRENT ALC QUALITY CERTIFICATIONS.

ALLEGHENY LUDLUM WORKS TO THE ROLLS ROYCE RR9000:SABRE REQUIREMENTS.

MATERIAL TESTED AT ALLEGHENY LUDLUM GEAE S400 (DATED 10/31/07) APPROVED FACILITIES:  
NATRONA HEIGHTS TECHNICAL CENTER AND BRACKENRIDGE, PA.

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09/22/08 09:51:53

CONTRACT: Please Note - This document was typed over a carrier in best case condition, being properly labeled, at which time our responsibility for loss or damage is shipment received. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy, please call 724-228-6577. CAUTION: Processing this material under heat, dust, or vibrations may cause long delays. See Material Safety Data Sheets for further information.

### WARNING

Les informations relatives de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des renseignements supplémentaires, veuillez communiquer le numéro suivant 724-228-6577. Attention: Les traitements entraînant la production de vapeur, poussières, ou autres peuvent être cause de retards prolongés. Pour plus de renseignements, se référer aux fiches d'information relatives.

The above is a true copy of data on file. You retained and kept results uniform to the sales contract and specifications as set forth in Allegheny Ludlum's Order Acknowledgement.

See M. Xanthopoulos  
Director, Corporate Quality Assurance

## UNITED PERFORMANCE METALS

This is to certify that in accordance with the requirements of the contract, the material shipped on your purchase order conforms to the following:

3475 Symmes Road Hamilton, OH 45015

Size: 48 X 120  
P.O.: 012012051  
Part#: SF580  
Sales R: 01124187  
Quantity: 1

Description: 304L AUN 577-083 A71 080  
Customer: GRI, Incorporated  
Shipped: 02/24/2009  
Part: 827277

NOTICE OF SHIPMENT/  
PACKING LIST

## CERTIFICATE OF TEST

AL 8168-3 407

CUST. ORD. NO. & DATE	DUST. CODE	ACCEPTING MFG.	SHIPPER NO.	PRODUCT CODE	WILL ORDER NUMBER	DATE SHIPPED
01013080 FORMS DISTRIBUTION	08/08/08 110977	NEW CASTLE, IN.	400569	13020102060000	30-088-108	09/22/08
1 1 1 1	82037-9 26	PRIME SEC.	GOVT CONTRACT	1124 NEW CASTLE	IN	070843
SOLD TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015		SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015				

## GRADE AND SPECIFICATIONS

CARRIER - CLAY TRANSPORT, INC.  
ALLEGHENY STAINLESS STEEL TYPE 304-L SHEET C R COILS ANNEALED 2B FIN 3 EDGE (FMI 304L/304/302 ISSUE 7) (AMS 2248E) (AMS 5511H) (AMS 5513H) (AMS 5516P) (ASTM-A-262-02A PRA B/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/31/07) (ASTM-A-240-08) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (05/14/08 EXCEPT FMI 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (F-14, F-17, F-22, F-23, F-MASTER) (PWA 300 REV BK) (CONTROLLED TO PWA LCS REQUIREMENTS)

ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

C, S BY COMBUSTION/INFRARED  
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY  
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF  
B BY OES  
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES  
PB, BI, AG BY GFAA

MATERIAL MELTED AND ROLLED IN THE UNITED STATES AND COMPLIES WITH DEARS EDITION 1998, SECTION 252.225-7014

FOR ACCESS TO ONLINE CERTIFICATES OF TEST  
REGISTER AT WWW.ALCEXTRA.COM

ISSUED BY ALLEGHENY LUDLUM - 9/23/2008 08:37  
CAROLE DEFILIPPI / QUALITY ASSURANCE DEPT.

## PAGE 04 - FINAL PAGE

**DISCLAIMER:** Please Note: This document was turned over to carrier in the case condition, being correctly loaded, at which time our responsibility for loss or damage is shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on receipt before signing.

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The above is a true copy of data on file. The material and test results conform to the above certificate and specifications as set forth in Allegheny Ludlum's Under Acknowledgment.

Car M. Yarnish  
Director, Corporate Quality Assurance

*Car M. Yarnish*